



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2009
Code: 12111540
SAU: MSAD 17
School: Guy E Rowe School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

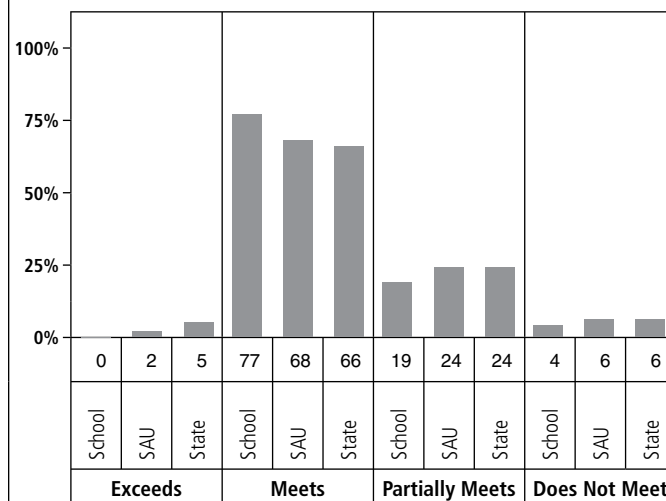
SUMMARY OF SCORES

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

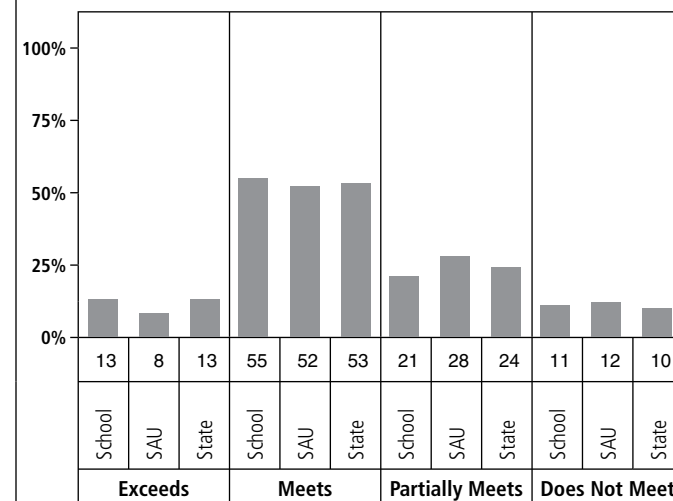
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	440	442	445
2007–2008	443	442	445
2008–2009	446	445	446
Cum. Avg.*	443	443	445
Mathematics			
2006–2007	439	439	445
2007–2008	446	443	445
2008–2009	447	444	446
Cum. Avg.*	444	442	445

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	48	100	244	100	13805	100	48	100	244	100	13737	100	48	100	244	100	13746	100						
Ethnicity African American/Black	1	2	6	2	419	3	1	100	6	100	410	98	1	100	6	100	416	99						
American Indian or Native Alaskan	3	6	4	2	125	1	3	100	4	100	124	99	3	100	4	100	124	99						
Asian or Pacific Islander	1	2	1	0	229	2	1	100	1	100	223	97	1	100	1	100	227	99						
Hispanic	0	0	3	1	149	1	0	0	3	100	148	99	0	0	3	100	148	99						
Caucasian/White	43	90	230	94	12883	93	43	100	230	100	12832	100	43	100	230	100	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	3	6	37	15	2383	17	3	100	37	100	2366	100	3	100	37	100	2364	99						
Current LEP	0	0	0	0	377	3	0	0	0	0	362	96	0	0	0	0	373	99						
Economically disadvantaged	24	50	140	57	5819	42	24	100	140	100	5782	99	24	100	140	100	5788	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	42	88	156	64	10439	76	42	88	156	64	10471	76						
Identified disability (PET/IEP)	0	0	2	1	351	3	0	0	2	1	367	4						
LEP	0	0	0	0	171	2	0	0	0	0	172	2						
504 plan	0	0	2	1	92	1	0	0	2	1	90	1						
Participation with accommodations	5	10	83	34	3142	23	5	10	83	34	3138	23						
Identified disability (PET/IEP)	2	40	30	36	1860	59	2	40	30	36	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	0	0	1	1	71	2	0	0	1	1	73	2						
Other	3	60	52	63	1060	34	3	60	52	63	1043	33						
Participation through alternate assessment (PAAP)	1	2	5	2	155	1	1	2	5	2	137	1						
Identified disability (PET/IEP)	1	100	5	100	155	100	1	100	5	100	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0												
Approved non-participation – special consideration	0	0	0	0	11	0	0	0	0	0	11	0						
Non-participation – other	0	0	0	0	57	0	0	0	0	0	48	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	0	0	8	3	507	4
	2007-2008	2	3	4	1	559	4
	2008-2009	0	0	4	2	672	5
	Cum. Total*	2	1	16	2	1738	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	26	43	122	50	8749	63
	2007-2008	36	58	150	52	8308	59
	2008-2009	36	77	163	68	8917	66
	Cum. Total*	98	58	435	56	25974	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	23	38	79	32	3467	25
	2007-2008	11	18	93	32	3922	28
	2008-2009	9	19	58	24	3241	24
	Cum. Total*	43	25	230	30	10630	26
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	11	18	36	15	1165	8
	2007-2008	13	21	42	15	1264	9
	2008-2009	2	4	14	6	751	6
	Cum. Total*	26	15	92	12	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.7	66.0	30.6	63.8	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	15.7	65.4	15.8	65.8	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	15.9	66.3	14.8	61.7	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	47	0	0	36	77	9	19	2	4	446	239	2	68	24	6	445	13581	5	66	24	6	446
Ethnicity																						
African American/Black	1										6	0	83	17	0	444	408	2	51	31	16	441
American Indian or Native Alaskan	3										4						122	1	59	34	6	444
Asian or Pacific Islander	1										1						221	9	62	22	7	447
Hispanic	0										3						146	1	64	28	6	445
Caucasian/White	42	0	0	32	76	8	19	2	5	446	225	2	68	24	6	445	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	2										32	3	47	31	19	439	2211	1	39	42	18	439
No	45	0	0	36	80	8	18	1	2	446	207	1	71	23	4	446	11370	6	71	20	3	448
Current LEP																						
Yes	0										0						357	3	42	36	19	440
No	47	0	0	36	77	9	19	2	4	446	239	2	68	24	6	445	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	23	0	0	14	61	7	30	2	9	444	135	1	62	28	9	443	5677	2	57	32	9	443
No	24	0	0	22	92	2	8	0	0	448	104	3	76	19	2	447	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	47	0	0	36	77	9	19	2	4	446	239	2	68	24	6	445	13575	5	66	24	6	446
Gender																						
Female	27	0	0	22	81	4	15	1	4	447	115	1	70	23	7	445	6580	7	68	21	5	448
Male	20	0	0	14	70	5	25	1	5	445	124	2	67	26	5	445	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										1						2127	1	48	42	9	441
No	47	0	0	36	77	9	19	2	4	446	238	2	68	24	6	445	11454	6	69	20	5	447
Gifted/talented program																						
Yes	3										15	20	80	0	0	457	324	27	72	1	0	458
No	44	0	0	33	75	9	20	2	5	445	224	0	67	26	6	444	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	1	100	0	0	0	0	442	3	0	57	14	29	439	4	2	45	36	17	441
B. less than one hour	79	0	0	27	73	8	22	2	5	445	75	2	68	25	4	445	75	5	67	23	4	447
C. one to two hours	19	0	0	8	89	1	11	0	0	449	21	0	72	20	8	445	18	5	67	23	5	447
D. more than two hours	0										1	0	50	50	0	440	2	3	45	36	16	442
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	40	0	0	15	79	4	21	0	0	447	40	3	75	19	3	446	40	8	71	17	4	449
B. good	51	0	0	18	75	4	17	2	8	445	46	1	65	27	7	444	45	3	66	25	5	446
C. fair	6	0	0	2	67	1	33	0	0	445	11	0	58	35	8	441	13	1	54	35	10	442
D. poor	2	0	0	1	100	0	0	0	0	448	3	0	57	14	29	440	2	0	39	42	19	439
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	11	0	0	5	100	0	0	0	0	451	27	5	73	21	2	447	31	8	69	19	4	448
B. They match some of what I have learned.	62	0	0	24	83	5	17	0	0	448	51	1	73	22	4	445	53	4	68	23	4	447
C. They match just a little of what I have learned.	17	0	0	5	63	2	25	1	13	443	14	0	66	28	6	443	11	2	54	35	10	442
D. There is no match.	11	0	0	2	40	2	40	1	20	436	8	0	30	40	30	436	4	1	39	40	20	439
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	6	0	0	2	67	1	33	0	0	446	13	3	57	33	7	444	19	4	54	31	11	443
B. about the same as my regular schoolwork	72	0	0	25	74	7	21	2	6	445	65	1	71	22	6	445	63	6	69	22	4	447
C. easier than my regular schoolwork	21	0	0	9	90	1	10	0	0	448	22	2	69	23	6	445	18	4	68	23	5	446
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	9	0	0	1	25	2	50	1	25	438	11	0	42	35	23	438	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	47	0	0	17	77	4	18	1	5	445	51	1	68	27	4	444	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	45	0	0	18	86	3	14	0	0	449	38	3	77	17	2	448	35	9	72	16	3	449
How much time do you spend reading at home each day?																						
A. more than one hour	34	0	0	9	56	7	44	0	0	443	22	2	70	23	6	445	21	8	68	19	5	448
B. 20 minutes to an hour	64	0	0	27	90	1	3	2	7	448	64	1	73	20	5	445	55	5	70	21	4	447
C. less than 20 minutes	0										8	6	50	44	0	442	13	2	57	33	8	443
D. I rarely read at home.	2	0	0	0	0	1	100	0	0	434	6	0	36	43	21	438	11	1	51	37	11	442
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	16	0	0	7	100	0	0	0	0	448	20	2	60	28	11	442	25	3	59	30	8	444
B. six to ten pages	27	0	0	11	92	1	8	0	0	450	17	0	72	21	8	445	24	4	64	26	6	445
C. eleven or more pages	57	0	0	16	64	7	28	2	8	444	63	2	70	24	3	446	51	7	70	20	4	448
Optional school/SAU question																						
A.	0										29	0	50	50	0	439						
B.	0										14	0	100	0	0	442						
C.	100	0	0	1	100	0	0	0	0	450	29	0	100	0	0	447						
D.	0										29	0	100	0	0	445						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	1	2	6	2	1054	8
	2007-2008	9	15	21	7	1321	9
	2008-2009	6	13	19	8	1712	13
	Cum. Total*	16	10	46	6	4087	10
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	28	47	102	42	7394	53
	2007-2008	34	56	137	48	7079	51
	2008-2009	26	55	124	52	7270	53
	Cum. Total*	88	52	363	47	21743	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	17	28	79	32	3729	27
	2007-2008	10	16	84	29	3955	28
	2008-2009	10	21	67	28	3219	24
	Cum. Total*	37	22	230	30	10903	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	14	23	58	24	1735	12
	2007-2008	8	13	46	16	1642	12
	2008-2009	5	11	29	12	1408	10
	Cum. Total*	27	16	133	17	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	31.3	65.2	29.1	60.6	30.8	64.2
A. Number	20	42	12.3	61.5	11.6	58.0	12.5	62.5
B. Data	8	17	5.5	68.8	5.2	65.0	5.3	66.3
C. Geometry	10	21	6.8	68.0	6.4	64.0	6.5	65.0
D. Algebra	10	21	6.7	67.0	6.0	60.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	47	6	13	26	55	10	21	5	11	447	239	8	52	28	12	444	13609	13	53	24	10	446
Ethnicity																						
African American/Black	1										6	0	17	50	33	434	415	5	41	30	24	439
American Indian or Native Alaskan	3										4						123	12	46	28	13	445
Asian or Pacific Islander	1										1						225	22	45	20	12	448
Hispanic	0										3						147	3	58	30	10	443
Caucasian/White	42	5	12	23	55	10	24	4	10	446	225	8	52	28	12	444	12699	13	54	23	10	447
Not Reported	0										0						0					
Identified disability																						
Yes	2										32	3	31	25	41	435	2227	3	34	33	30	437
No	45	6	13	26	58	9	20	4	9	448	207	9	55	29	8	445	11382	14	57	22	7	448
Current LEP																						
Yes	0										0						370	7	35	31	27	439
No	47	6	13	26	55	10	21	5	11	447	239	8	52	28	12	444	13239	13	54	23	10	447
Economically disadvantaged																						
Yes	23	1	4	9	39	9	39	4	17	442	135	4	41	39	16	440	5704	6	48	30	16	442
No	24	5	21	17	71	1	4	1	4	452	104	13	66	13	7	449	7905	18	57	19	6	450
Migrant																						
Yes	0										0						6	17	33	50	0	448
No	47	6	13	26	55	10	21	5	11	447	239	8	52	28	12	444	13603	13	53	24	10	446
Gender																						
Female	27	4	15	15	56	6	22	2	7	448	115	8	44	33	15	442	6591	12	54	24	11	446
Male	20	2	10	11	55	4	20	3	15	446	124	8	59	23	10	446	7018	13	53	24	10	447
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										1						2131	3	41	38	18	440
No	47	6	13	26	55	10	21	5	11	447	238	8	52	28	12	444	11478	14	56	21	9	448
Gifted/talented program																						
Yes	3										15	53	47	0	0	463	324	64	34	2	0	464
No	44	5	11	24	55	10	23	5	11	446	224	5	52	30	13	443	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 4
SAU: MSAD 17
School: Guy E Rowe School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	0	0	0	0	1	100	0	0	436	3	0	43	43	14	439	4	4	37	30	28	438
B. less than one hour	79	4	11	22	59	8	22	3	8	447	75	7	56	26	11	444	75	13	55	23	9	447
C. one to two hours	19	2	22	4	44	1	11	2	22	448	21	12	42	32	14	444	18	12	54	24	10	446
D. more than two hours	0										1	0	0	50	50	432	2	7	39	29	25	440
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	36	4	24	11	65	2	12	0	0	454	33	17	65	14	4	451	37	22	56	16	7	451
B. good	40	2	11	10	53	7	37	0	0	447	46	5	51	32	12	442	45	9	56	25	9	446
C. fair	19	0	0	4	44	1	11	4	44	437	17	0	34	44	22	436	14	3	46	34	17	440
D. poor	4	0	0	1	50	0	0	1	50	439	3	0	25	25	50	432	3	2	33	35	29	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	34	1	6	9	56	5	31	1	6	445	31	14	53	23	10	447	35	19	56	19	7	450
B. They match some of what I have learned.	53	5	20	14	56	5	20	1	4	451	52	7	58	28	7	445	51	11	56	25	8	446
C. They match just a little of what I have learned.	13	0	0	3	50	0	0	3	50	438	14	3	30	33	33	437	10	5	43	31	21	440
D. There is no match.	0										3	0	38	38	25	436	4	3	26	33	37	434
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	17	2	25	3	38	2	25	1	13	451	14	9	39	27	24	441	17	5	44	31	20	441
B. about the same as my regular schoolwork	57	4	15	16	62	3	12	3	12	448	66	8	54	30	8	445	62	13	57	23	7	448
C. easier than my regular schoolwork	26	0	0	7	58	4	33	1	8	443	20	6	56	19	19	443	21	18	53	19	10	449
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	4	0	0	0	0	2	100	0	0	435	5	8	25	42	25	437	7	6	36	32	27	438
B. 30–45 minutes	15	0	0	2	29	4	57	1	14	437	19	0	45	41	14	439	25	7	52	28	12	444
C. 45–60 minutes	15	0	0	6	86	1	14	0	0	448	21	8	63	24	4	447	38	14	56	22	8	448
D. more than 60 minutes	66	6	19	18	58	3	10	4	13	450	56	11	52	23	14	445	30	18	56	19	7	449
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	0	0	0	0	1	100	426	3	0	50	33	17	440	3	4	36	31	28	438
B. two or three days a week	0										2	0	0	25	75	425	12	13	51	26	10	446
C. two or three times each month	36	2	12	11	65	2	12	2	12	448	18	9	60	16	14	445	32	15	58	20	7	449
D. never or almost never	62	4	14	15	52	8	28	2	7	447	78	8	51	30	10	444	53	11	53	25	11	446
How often do you use hands-on materials in mathematics class?																						
A. almost every day	19	0	0	4	44	3	33	2	22	441	39	4	40	36	20	440	26	12	50	25	13	445
B. two or three days a week	11	1	20	3	60	1	20	0	0	449	19	11	67	17	4	448	32	14	57	21	7	448
C. two or three times each month	43	4	20	11	55	3	15	2	10	449	24	11	59	21	9	447	26	13	56	22	8	448
D. never or almost never	28	1	8	8	62	3	23	1	8	448	18	9	53	28	9	445	17	9	50	27	13	444
Optional school/SAU question																						
A.	0										29	0	50	50	0	440						
B.	0										14	0	0	0	100	416						
C.	100	0	0	1	100	0	0	0	0	456	29	0	50	50	0	446						
D.	0										29	0	0	100	0	437						